



5-09-07

Fr/s

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/615,797

Applicant: ROBERTS, et al.

Filed: July 10, 2003

Art Unit: 1616

Examiner: Alton N. Pryor

Title: METAL COMPOUNDS, MIXED OR
SULPHATED, AS PHOSPHATE
BINDERS

Docket No.: 40304772

Customer No.: 26565

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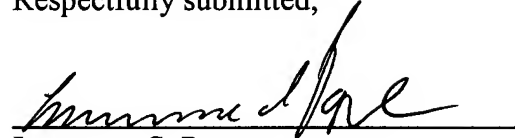
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05/10/2007 SSITHIB1 00000059 130019 10615797

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Respectfully submitted,

A handwritten signature in black ink, appearing to read "Lawrence S. Pope", is written over a horizontal line.

Lawrence S. Pope
Reg. No. 26,791

Date: May 8, 2007

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10615797
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U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	6039981		2000-03-21	Woo et al.	
	2	6596311		2003-07-22	Dobetti	
	3	6576665		2003-06-10	Dennett, Jr. et al.	
	4	5651997		1997-07-29	Makino et al.	
	5	5213794		1993-05-25	Fritsch et al.	
	6	6733780		2004-03-11	Tyler et al.	
	7	6696087		2004-02-24	Matsuda et al.	
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	9	4254099		1981-03-03	Asmussen et al.	
	10	4609543		1986-09-02	Morris et al.	
	11	6448323		2002-09-10	Jordan et al.	
	12	6794367		2004-09-21	Tanida et al.	
	13	6794864		2004-06-15	Makino et al.	
	14	5656080		1997-08-12	Staniforth et al.	
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	17	3650704		1972-03-21	Kumura et al.	
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	19	6028023		2000-02-22	Vierheilig	

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20	6790895		2004-09-14	Stelandre et al.	
21	4351814		1982-09-28	Miyata et al.	
22	4735629		1988-04-05	Glemser et al.	

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	1	20020122786		2002-09-05	Matsuda et al.	
	2	20040022872		2004-02-05	Sofue et al.	
	3	20030185886		2003-10-03	Lee et al.	
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1	1304104	EP		2003-04-23	Matsuda et al.		<input type="checkbox"/>
2	95/29679	WO		1995-11-09	Katdare et al.		<input type="checkbox"/>
3	99/44580	WO		1999-09-10	Dobetti et al.		<input type="checkbox"/>
4	03/072084	WO		2003-09-04	Tian et al.		<input type="checkbox"/>
5	03/092658	WO		2003-11-13	Fekete et al.		<input type="checkbox"/>
6	03/017980	WO		2003-03-06	Sugaya et al.		<input type="checkbox"/>
7	03/028706	WO		2003-04-10	Hibino et al.		<input type="checkbox"/>
8	10236960	JP		1998-09-08	Kudo et al.		<input type="checkbox"/>
9	10059842	JP		1998-03-03	Norio et al.		<input type="checkbox"/>
10	2000086537	JP		2000-03-28	Yokoi et al.		<input type="checkbox"/>
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12	2005/009381	WO		2005-02-03	Phillips et al.		<input type="checkbox"/>
13	0050792	EP		1981-10-14	Oediger et al.		<input type="checkbox"/>

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	STAMATAKIS et al., Influence of pH on In Vitro Disintegration of Phosphate Binders, American Journal of Kidney Diseases, Vol. 32, No. 5 (November 1998) p808-812	<input type="checkbox"/>
	2	BADAWY et al., Effect of Drug Substance Particle Size on the Characteristics of Granulation Manufactured in a High-Shear Mixer, AAPS PharmSciTech, Vol. 1, No. 4 (2000) article 33	<input type="checkbox"/>
	3	ROBLOT et al., Effect of Lubricant Level and Applied Compressional Pressure on Surface Friction of Tablets, Journal of Pharmaceutical Sciences, Vol. 74, No. 6 (June 1985) p697-699	<input type="checkbox"/>
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8	SUREN G., Evaluation of lubricants in the development of tablet formula, Dansk Tidsskr. Farm., Vol. 45 (1971) p331-338	<input type="checkbox"/>
9	VITKOVA et al., The use of some hydrophobic substances in tablet technology, Acta Pharmaceutica Hungarica, Vol. 68 (1998) p336-344	<input type="checkbox"/>
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19	HIBINO et al., Calcination and reydration behavior of Mg-Fe-CO ₃ hydrotalcite-like compounds, Journal of Materials Science Letters, Vol. 19 (2000) p1403-1405	<input type="checkbox"/>
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21	ARCO et al., Effect of the Mg: Al Ratio on Borate (or Silicate)/Nitrate Exchange in Hydrotalcite, Journal of Solid State Chemistry, Vol. 151 (2000) p272-280	<input type="checkbox"/>
22	FROST et al., Thermal Decomposition of Synthetic Hydrotalcites Reevesite and Pyroaurite, Journal of Thermal Analysis and Calorimetry, Vol. 76 (2004) p217-225	<input type="checkbox"/>
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24	LI et al., Stoichiometric Synthesis of Pure MFe ₂ O ₄ (M=Mg, Co, and Ni) Spinal Ferrites from Tailored Layered Double Hydroxide (Hydrotalcite-Like) Precursors, Chem. Mater., Vol. 16 (2004) p1597-1602	<input type="checkbox"/>
25	MENG et al., Preparation and thermal decomposition of magnesium/iron(III) layered double hydroxide intercalated by hexacyanoferrate(III) ions, Journal of Materials Science, Vo. 39 (2004) p4655-4657	<input type="checkbox"/>
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30	NEWMAN et al., Comparative study of some layered hydroxide salts containing exchangeable interlayer anions, Journal of Solid State Chemistry, Vol. 148 (1999) p26-40	<input type="checkbox"/>
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36	RAJAMATHI et al., Reversible thermal behavior of the layered double hydroxide of Mg with Al: mechanistic studies, Journal of Materials Chemistry, Vol. 10 (2000) p 2754-2757	<input type="checkbox"/>
37	HANSEN et al., Synthesis and characterization of pyroaurite, Applied Clay Science, Vol. 10 (1995) p5-19	<input type="checkbox"/>
38	LAZARIDIS, Sorption removal of anions and cations in single batch systems by uncalcined and calcined Mg-Al-CO3 hydrotalcite, Water, Air, and Soil Pollution, Vol. 146 (2003) p127-139	<input type="checkbox"/>
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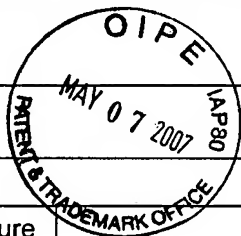
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41	ZHANG et al., Phosphorus anion-exchange characteristics of a pyroaurite-like compound, Inorganic Materials, Vol. 14 (1997)	<input type="checkbox"/>
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47	KOKOT et al., A rotating disk study on the rates of hydrotalcite dissolution at 25 °C, Pharmazie, Vol. 48 (1993) H. 4 p287-289	<input type="checkbox"/>
48	ROY et al., Anionic Clays: Trends in Pillaring Chemistry, Synthesis of Microporous Materials, Ch. 7, p108-169	<input type="checkbox"/>
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50	PESIC et al., Thermal characteristics of a synthetic hydrotalcite-like material, J. Mater. Chem., Vol. 2, No. 10 (1992) p1069-1073	<input type="checkbox"/>

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EXAMINER SIGNATURE

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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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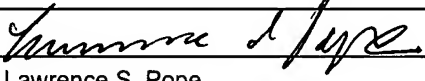
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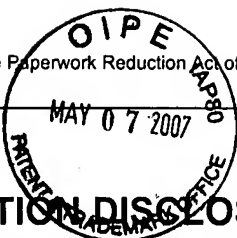
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1	FERREIRA et al., Thermal decomposition and structural reconstruction effect on Mg-Fe-based hydrotalcite compounds, Journal of Solid State Chemistry, Vo. 177 (2004) p3058-3069	<input type="checkbox"/>
2	ARCO et al., Surface and textural properties of hydrotalcite-like materials and their decomposition products, Characterization of Porous Solids III, Studies in Surface Science and Catalysis, Vol. 87 (1994) p507-515	<input type="checkbox"/>
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First Named Inventor	Roberts et al.	
Art Unit	1616	
Examiner Name	Alton N. Pryor	
Attorney Docket Number	40304772	

12	OE et al., Long-term use of magnesium hydroxide as a phosphate binder in patients on hemodialysis, Clinical Nephrology, Vol. 28, No. 4 (1987) p180-185	<input type="checkbox"/>
13	O'DONOVAN et al., Substitution of aluminum salts by magnesium salts in control of dialysis hyperphosphataemia, The Lancet (April 19, 1986) p880-881	<input type="checkbox"/>
14	MCCANCE et al., Absorption and excretion of iron, The Lancet (September 18, 1937) p680-684	<input type="checkbox"/>
15	COOK, Adaptation in iron metabolism, Am. J. Clin. Nutr., Vol. 51 (1990) p301-308	<input type="checkbox"/>
16	BOTHWELL, Overview and mechanisms of iron regulation, Nutrition Reviews, Vol. 53 (September 1995) p237-245	<input type="checkbox"/>

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EXAMINER SIGNATURE

Examiner Signature		Date Considered	
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¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)



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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

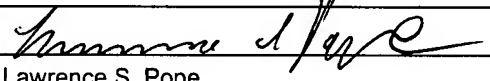
☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	2007-05-08
Name/Print	Lawrence S. Pope	Registration Number	26,791

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